

## ABSTRACT

In accordance with various aspects of the invention, CXCR4 antagonists may be used to treat hematopoietic cells, such as progenitor or stem cells, to promote the rate of cellular multiplication, self-renewal, proliferation or expansion. CXCR4  
5 antagonists may be used therapeutically to stimulate hematopoietic stem/progenitor cell multiplication/self-renewal.